Fish Habitat and Passage in Oregon Forests
Fish, especially salmon and steelhead, are synonymous with Oregon. Protecting habitat for these iconic species is a fundamental part of forest ownership.
Fish in Oregon Forests
What Makes Good Fish Habitat?

- Clean
- Cold
- Connected
- Complex
What is Fish Passage?

- Anadromous
- Native migratory
- Barriers
- Triggers
Advice for Planning Fish Habitat Projects

- Assessment
- Connections
- Sharing
- Road placement
- Tree Species
Improving Fish Habitat and Passage

- Plant diverse tree species in riparian areas
- Maintain conifer and hardwoods
Improving Fish Habitat and Passage

- In-stream habitat
- 4 C’s
- Log Sizes

<table>
<thead>
<tr>
<th>Bankfull Width, in Feet</th>
<th>Minimum Diameter Log, in Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 10</td>
<td>10</td>
</tr>
<tr>
<td>10 – 20</td>
<td>16</td>
</tr>
<tr>
<td>20 – 32</td>
<td>18</td>
</tr>
<tr>
<td>Over 32</td>
<td>22</td>
</tr>
</tbody>
</table>

ODFW 2010
Improving Fish Habitat and Passage

- Roads
- Culverts
Case Study

- Seely Creek
Forest Industry and Fish Habitat and Passage

- Nearly $100 million toward restoration activities that benefit fish passage and habitat in Oregon Forests.
## Forest Industry and Fish Habitat and Passage

### Statewide Summary of Forestry Accomplishments on Private Forestlands (1997 – 2011)

<table>
<thead>
<tr>
<th>Oregon Plan Actions Reported from 1997 to 2011 by Private Forest Landowners</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road Miles Surveyed</td>
<td>16,458</td>
</tr>
<tr>
<td>Road Miles Improved</td>
<td>3,289</td>
</tr>
<tr>
<td>Road Miles Vacated, Closed, or Relocated</td>
<td>550</td>
</tr>
<tr>
<td>Number of Peak Flow Improvements (increase culvert or bridge size to pass high stream flows)</td>
<td>7,981</td>
</tr>
<tr>
<td>Number of Surface Drainage Improvements</td>
<td>18,505</td>
</tr>
<tr>
<td>Number of Stream Crossings Improved for Fish Passage</td>
<td>1,749</td>
</tr>
<tr>
<td>Number of Large-wood Placement Projects</td>
<td>569</td>
</tr>
<tr>
<td>Number of Other In-Stream Projects (boulder placements, side channels, and alcoves)</td>
<td>168</td>
</tr>
<tr>
<td>Number of Riparian Management Projects (voluntary tree retention)</td>
<td>2,651</td>
</tr>
</tbody>
</table>

Based on projects completed and reported to the Oregon Watershed Restoration Inventory. Table prepared by Bobbi Riggers, OWRI coordinator, July 2013.
Summary

• Keep your forest working
• Reduce roads near streams
• Design crossings perpendicular
• Manage sediment
• Remove Barriers
Summary

Working forests provide quality fish habitat and are always working to provide improved fish passage for fish in Oregon Forested Habitats.